

AMENDMENTS TO THE CLAIMS

In the claims:

Kindly rewrite the claims as follows:

1. (Currently Amended) A method for resetting metering of ~~the a~~ length of ~~reels of~~ yarn being wound on a reel, wherein:

~~the a~~ rotation speed (V_o) obtained with the ~~empty~~ reel empty is recorded beforehand;

after start-up, ~~the a~~ rotation speed (V_d) of the reel that is being ~~formed~~ wound is measured, this speed (V_d) corresponds to ~~the a~~ maximum speed reached at ~~the an~~ end of ~~the a~~ start-up acceleration phase and at ~~the a~~ start of ~~the a~~ gradual slowdown phase after ~~the a~~ winding phase and this speed (V_d) is compared to ~~that~~ the speed (V_o) obtained when the reel was empty;

if the rotation speed (V_d) measured after start-up is substantially equal to or greater than the rotation speed (V_o) obtained when the reel was empty, the length metering is then reset;

if the rotation speed (V_d) after start-up is substantially less than the rotation speed (V_o) obtained when the ~~tube~~ reel was empty, metering is resumed from ~~the a~~ point where it metering stopped.

2. (Currently Amended) A The method as claimed in claim 1, wherein reinitialization of metering ~~is~~ comprises a simple zero reset.

3. (Currently Amended) A The method as claimed in claim 1, wherein, to obtain improved metering accuracy, ~~this the~~ reset ~~involves~~ comprises resetting ~~the a~~ counter to ~~the a~~ winding length recorded during the acceleration phase, ~~estimated, for example, by counting the number of revolutions that the tube actually made during this phase.~~

4. (Currently Amended) A ~~The~~ method as claimed in ~~any of claims 1 to 3~~ claim 1, wherein the rotation speed (Vd) is measured continuously or at regular intervals during ~~production~~ winding of the yarn on the reel.

5. (Currently Amended) A ~~The~~ method as claimed in claim 4, wherein:

~~the~~ a rotation speed (Va) measured immediately before a ~~production~~ winding stoppage is stored.

~~the~~ a rotation speed (Vd') after restarting is measured and compared firstly to the rotation speed (Vo) obtained with an empty reel and secondly to the speed (Va) stored immediately before the stoppage, so that:

if the rotation speed (~~Vd~~) (Vd') measured after restarting is substantially equal to the rotation speed (Vo) obtained when the reel was empty, length metering is reset;

if the rotation speed (~~Vd~~) (Vd') measured after restarting is substantially equal to the rotation speed (Va) obtained immediately before the stoppage, length metering is not reset and metering resumes from ~~the~~ a point at which it metering stopped;

if the rotation speed (Vd') measured after restarting is less than the rotation speed (Va) obtained when the reel was empty and greater than the rotation speed (Va) obtained immediately before the stoppage, length metering is not reset and metering resumes from the point at which it metering stopped and an alarm is triggered[[:]].

6. (Currently Amended) A ~~The~~ method as claimed in claim 5, wherein if the rotation speed (Va) measured immediately before the stoppage is substantially equal to the rotation speed (Vo) obtained when the reel was empty, length metering is reset and an alarm is triggered in order to indicate risk of abnormal metering.

7. (Currently Amended) A The method as claimed in ~~any of claims 1 to 6~~ claim 1, wherein ~~the~~ a rotation speed (V_p) equivalent to ~~the~~ a final meterage of a correctly wound reel and/or the rotation speed equivalent to ~~the~~ a maximum diameter of the reel accommodated by ~~the~~ a winding system is recorded beforehand.

8. (Currently Amended) A The method as claimed in claim 7, wherein the rotation speed (V_d) is measured continuously or at regular intervals during production.

9. (Currently Amended) A The method as claimed in claim 8, wherein ~~the~~ a rotation speed measured immediately before a ~~production~~ winding stoppage is stored so that:

if the rotation speed (V_d) measured after restarting and/or during ~~production~~ winding is substantially equal to or less than the rotation speed (V_p) equivalent to the final meterage of a correctly wound reel and/or the rotation speed equivalent to the maximum diameter of the reel accommodated by the winding system, winding is interrupted and an alarm is triggered in order to indicate that the reel reached an excessively large diameter.

10. (Currently Amended) A The method as claimed in claim 8, wherein the rotation speed (V_p) equivalent to the final meterage of a correctly wound reel is recorded beforehand so that, if the rotation speed (V_a) of the reel immediately before stoppage on reaching ~~the~~ a programmed meterage differs from the rotation speed (V_p) equivalent to the final meterage, an alarm is triggered in order to indicate that ~~the~~ a diameter of the wound reel does not match ~~the~~ an expected final diameter.

11. (Currently Amended) A The method as claimed in claim 10, wherein a table containing ~~the~~ rotation speed as a function of ~~the~~ meterage reached for a correctly wound reel is recorded beforehand, so that, if the rotation speed measured at any time during winding differs from ~~the~~ a rotation speed equivalent to the meterage reached at ~~the~~ an instant in question for a correctly wound reel, an alarm is triggered indicating that the diameter of the wound reel does not match the expected diameter.

12. (Canceled).

13. (Canceled).

14. (Canceled).

15. (New) The method as claimed in claim 3, wherein the winding length recorded during the acceleration phase is estimated by counting reel revolutions during the acceleration phase.

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